

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P257280

Luminaire Tested: **D3X-WD-25L935-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-25L935-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF
Light Source: (126) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2035.0 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

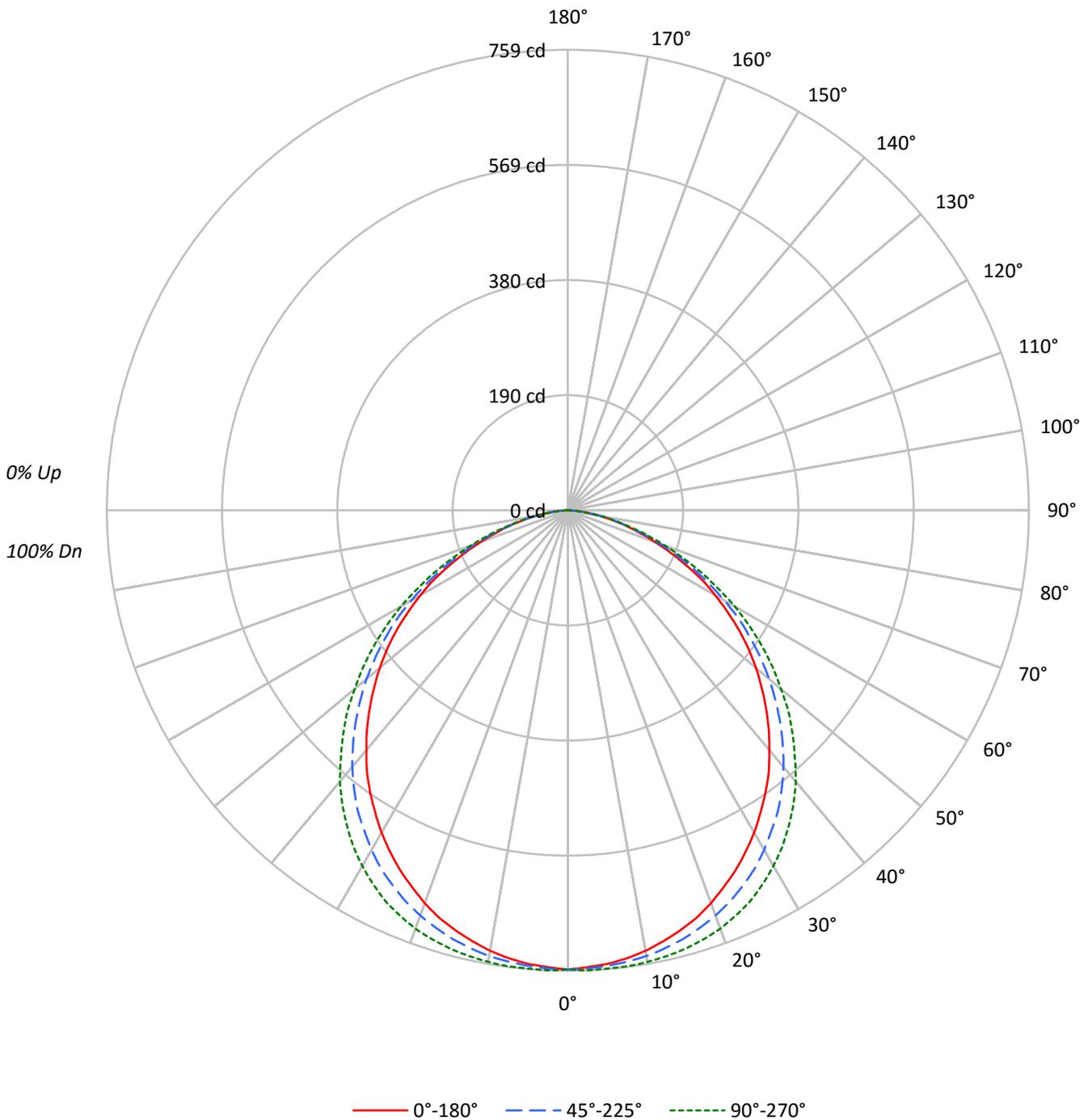
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P257280

CATALOG NUMBER: D3X-WD-25L935-LD5-UNV-22-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P257280

CATALOG NUMBER: D3X-WD-25L935-LD5-UNV-22-T1-STD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2037	2037	2037
5°	2027	2036	2048
10°	2014	2038	2065
15°	1996	2038	2084
20°	1973	2036	2102
25°	1942	2026	2111
30°	1906	2008	2103
35°	1864	1983	2083
40°	1812	1939	2051
45°	1755	1880	1993
50°	1692	1811	1917
55°	1613	1721	1829
60°	1509	1603	1710
65°	1367	1450	1542
70°	1206	1267	1336
75°	1037	1059	1104
80°	832	849	866
85°	608	540	540



TEST NUMBER: P257280

CATALOG NUMBER: D3X-WD-25L935-LD5-UNV-22-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	3.5
10°-20°	206.6	10.2
20°-30°	314.3	15.4
30°-40°	376.0	18.5
40°-50°	380.1	18.7
50°-60°	327.1	16.1
60°-70°	225.8	11.1
70°-80°	109.5	5.4
80°-90°	23.8	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	592.6	29.1
0°-40°	968.6	47.6
0°-60°	1675.9	82.4
0°-90°	2035.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2035.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	757	757	757	757	757	
5°	750	751	754	757	758	71
15°	716	721	732	743	748	202
25°	654	662	682	703	711	301
35°	567	577	604	625	634	355
45°	461	470	494	515	524	356
55°	344	349	367	383	390	307
65°	215	218	228	238	242	214
75°	100	98	102	105	106	106
85°	20	20	18	18	18	24
90°	0	0	0	0	0	



TEST NUMBER: P257280

CATALOG NUMBER: D3X-WD-25L935-LD5-UNV-22-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	756.9	756.9	756.9	756.9	756.9
2.5°	753.6	753.6	755.8	758.0	759.1
5°	750.3	751.4	753.6	756.9	758.0
7.5°	744.8	745.9	750.3	755.8	758.0
10°	737.2	739.4	745.9	752.5	755.8
12.5°	727.3	731.7	739.4	748.1	752.5
15°	716.4	720.7	731.7	742.6	748.1
17.5°	704.3	708.7	721.8	736.1	741.6
20°	689.0	695.5	710.9	727.3	733.9
22.5°	671.5	680.2	697.7	715.3	722.9
25°	653.9	661.6	682.4	703.2	710.9
27.5°	634.2	643.0	666.0	686.8	694.5
30°	613.4	622.2	646.3	669.3	676.9
32.5°	590.4	601.3	624.4	648.4	657.2
35°	567.4	577.3	603.5	625.4	634.2
37.5°	543.3	552.1	578.3	601.3	610.1
40°	515.9	525.8	552.1	575.1	583.8
42.5°	489.6	499.5	523.6	545.5	553.2
45°	461.1	469.9	494.0	514.8	523.6
47.5°	432.7	442.5	463.3	484.1	492.9
50°	404.2	411.9	432.7	452.4	457.9
52.5°	374.6	381.2	399.8	417.3	425.0
55°	343.9	349.4	366.9	383.4	389.9
57.5°	311.1	317.7	334.1	346.1	353.8
60°	280.4	283.7	297.9	310.0	317.7
62.5°	249.7	250.8	261.8	273.8	278.2
65°	214.7	218.0	227.8	237.7	242.1
67.5°	182.9	186.2	193.9	201.5	204.8
70°	153.3	153.3	161.0	166.5	169.8
72.5°	123.8	124.9	130.3	133.6	136.9
75°	99.7	97.5	101.9	105.2	106.2
77.5°	74.5	73.4	76.7	77.8	80.0
80°	53.7	53.7	54.8	55.9	55.9
82.5°	35.1	35.1	36.1	34.0	32.9
85°	19.7	19.7	17.5	17.5	17.5
87.5°	6.6	6.6	6.6	7.7	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)